AQUALUNG®

SERVICE MANUAL

KRONOS
SECOND STAGE

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INTRODUCTION

This manual gives the instructions and the recommendations for the disassembly, the cleaning, the checking, the reassembly and the adjustment of an Aqualung regulator.
This manual is not an instruction manual for unqualified personnel. The procedures described in this manual are intended only for qualified personnel who have been trained in the servicing of Aqualung equipment during a specialised course.
If you do not understand certain procedures in this manual you should contact an Aqualung service consultant before undertaking any operation.

WARNINGS, ATTENTION, NOTES

Certain icons have been used to facilitate the reading and understanding of this manual. They have the following meanings :

WARNING: Indicates situations that could result in serious or fatal accidents if the advice given is not followed correctly.

. .

ATTENTION: Indicates a situation or action that could cause serious damage to the product, making it dangerous if the advice given is not followed correctly.

NOTE : Notes are used to emphasize important points as well as information which needs to be remembered.

MAINTENANCE

Attention: Whatever the number of dives carried out during a year, the regulator should receive a complete service each year. If the regulator is used in a chlorinated or aggressive environment the service period should be reduced to six months.

In order to conform with the Aqualung Regulator Lifetime Guarantee, all servicing (inspection, servicing and repairs) should be recorded in the Service Record incorporated in the regulator User Manual.

GENERAL INSTRUCTIONS

1. In order to carry out the procedures described in this manual correctly it is important that you follow the steps in the exact order indicated. Read the manual through completely so that you become familiar with all the procedures, the special tools and the replacement parts, before starting to disassemble the product. Keep this manual open near to you so that you can refer to it step by step. Do not rely on your memory.

2. All servicing and repair procedures should be carried out in a workshop that is clean, well lit, easy to access and specially fitted for the purpose.

3. The regulator body should never be directly held in the jaws of a vice. To hold the body, screw the tool 006230 into the HP port and then grip the tool with the vice.

4. Once the regulator has been disassembled, the re-usable components should be separated from the components that need to be replaced. Fragile items with seats or crowns with critical sealing surfaces should be separated and protected during servicing in order to prevent any damage.

5. Use only spare parts from Aqualung service kits. Never replace an Aqualung part with one from another manufacturer, even if it appears similar.

6. Never re-use regulator parts which should be replaced on the pretext that the regulator has seen little use since its manufacture or since its last service.

7. When reassembling, check that the torque used conforms with that shown in Table 4, Torque. Some parts can be irretrievably damaged if the acceptable torque is exceeded.

GENERAL CONVENTIONS

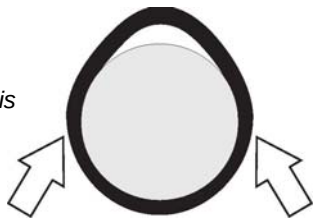
The conventions described below define the actions to be carried out when an instruction is given.

1. **Unscrew**: to unscrew a threaded part, turn it anti-clockwise.

2. **Screw**: to screw a threaded part, turn it clockwise.

3. **Remove the O-ring**: To remove an O-ring follow the method below, using the special tool provided for this purpose. Any tool that could damage the O-ring should be avoided. In every case, replace the O-ring removed with a new one.

Press simultaneously on the two sides of the O-ring in order to form an 'eye'. . Insert the special tool into this eye to remove the O-ring.



4. The acronyms used:
   LP: Low Pressure
   MP: Medium Pressure
   HP: High Pressure

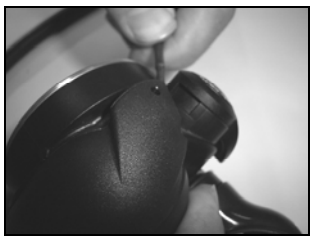
5. Numbers in brackets indicate the part number of the component shown on the exploded view attached.

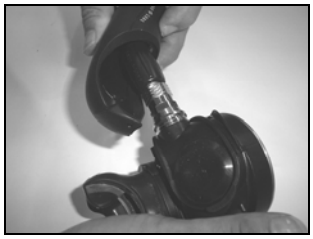
DISASSEMBLY PROCEDURE

***Note**: Before commencing disassembly, consult the exploded view to check the reference numbers of all parts requiring replacement. These parts should all be replaced by new parts and should not be re-used on the pretext that the regulator has seen little use since its manufacture or since its last service.*

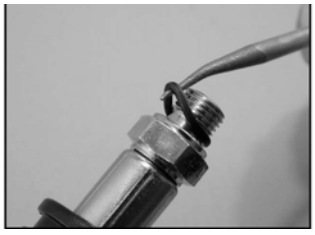
***Attention**: Use only the special tool when removing O-rings in order to avoid damaging the seal recess. The slightest scratch on a sealing surface could cause a leak. If a surface should be damaged then this part should be replaced with a new one. Do not use any pointed instrument or metal tool to remove O-rings.*

1. Using a screwdriver, lift the edge of the deflector (127622) then remove it manually by sliding it along the hose.





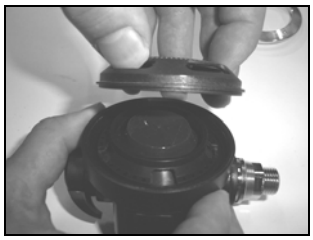
2. Using 2 11/16 spanners, hold the exchanger (127606) and unscrew the swivel nut on the hose. Remove the O-ring from the hose nipple. Take care to avoid damaging the seal groove. Remove the O-ring from the hose threads.



3. Pull back the hose protectors and check that there are no dents in the crimped sleeve. The hose should not move in the metal sleeve. If it does, it should be replaced.

4. Remove the clip (129154) and pull off the mouthpiece (123697). On Supreme versions, remove the lip shield (125613)

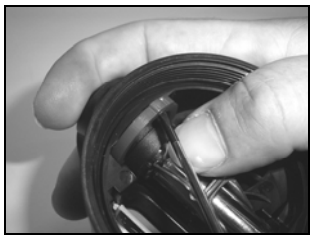
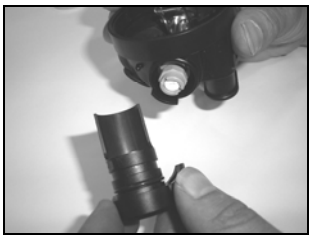
5. Unscrew the outer crown (127602). Take off the cover (Kronos : 127614 / Kronos Supreme : 127615).



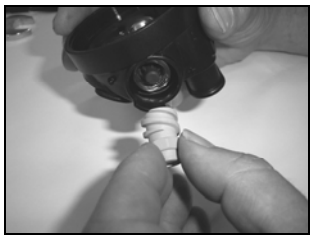
6. Using the tool (129001), unscrew the diaphragm nut (127625). Remove the washer (129133) and the diaphragm (127627).

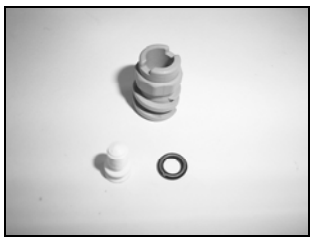
7. Using the tool (129001) unscrew the plug (127624). Remove the O-ring (820016).

8. Using a screwdriver, remove the clip (127612). Slide out the venturi knob (127626). Remove the O-ring (820016)

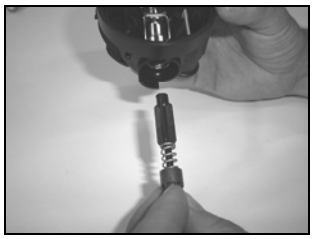
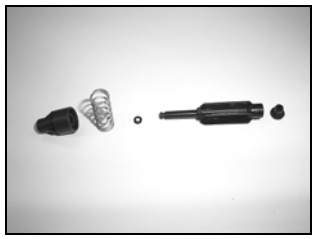



9. Take out the cam manually (127609), unscrew the screw (127608) and remove the O-ring (473056)

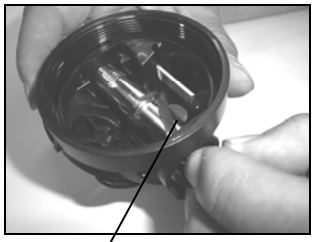
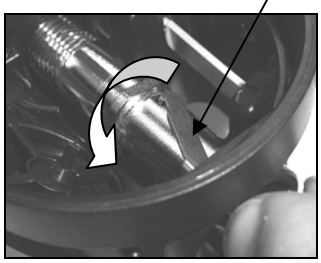




10. Turn over the 2nd stage and recover the shuttle-valve assembly (AP2036), spring (AP2021) and counter-balance chamber (127607). Remove the O-ring (AP2041) and the valve seat (AP2034).

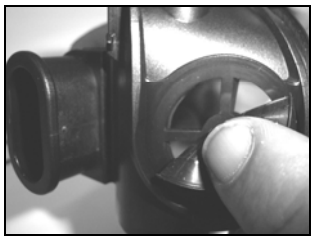



11. Using a 11/16'' spanner, undo the screw (5). Remove the heat exchanger (127606) and remove the 'insert (127605) by turning it 1/4 turn anti-clockwise. Recover the O-ring (124706).

12. Using a screwdriver (111399) unscrew the seat (AP2033). Push the tool (116236) inside the insert and push the seat out. Remove the O-ring (444243).

13. Left up the edge of the exhaust valve and check that the surface is clean and free from any scratches. It should be flexible and have a clean contour. If it is in good condition it is not necessary to remove it and it can be reused. If it shows any signs of deterioration it should be removed.



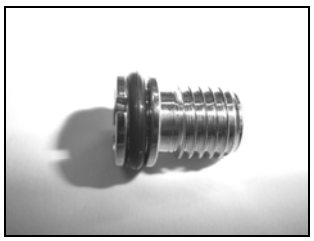
END OF DISASSEMBLY

Before starting to re-assemble the regulator, make sure that all replacement parts have been cleaned and lubricated in accordance with *Procedure A : Cleaning and Lubricating* on page 13.

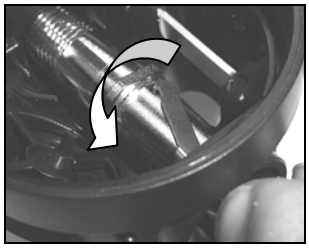
RE-ASSEMBLY PROCEDURE

1. If the exhaust valve has been removed, pass the valve tail through the hole in the casing (from the outside) and pull the tail lightly into the casing. If it is a new valve, cut off any excess length leaving about 5mm.

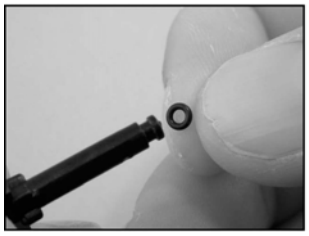
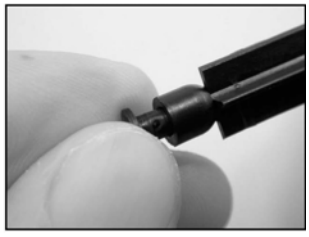
2. Fit a new lubricated O-ring (444243) on the seat(AP2033). Screw the seat into the insert (127605) with the tool (127686).



3. Fit the insert into the casing (127617) by turning it 1/4 turn anti-clockwise. Once the insert is correctly positioned, fit a new lubricated O-ring (124706) then screw in the exchanger (127606) using a 11/16'' spanner.

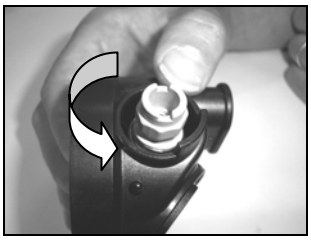


4. Fit a new lubricated O-ring (AP2041) on the shuttle valve (AP2036). Fit the valve seat (AP2034). Lubricate the O-ring (AP2041) correctly.

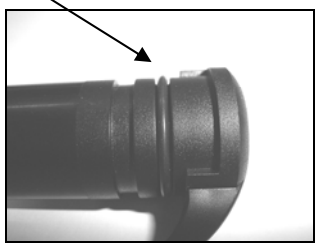



5. Fit the spring (AP2021) then the counter-balance chamber (127607). Hold the casing vertical with the lever perpendicular to the insert. Fit the assembly into the insert taking care to position the tabs of the shuttle valve facing the tabs on the lever.

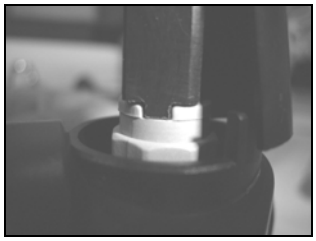
6. Fit the cam (127609) by screwing it manually anti-clockwise (to the left).

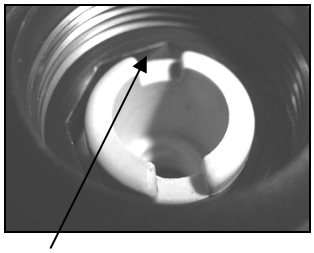


7. Fit a new lubricated O-ring (121130) on the venturi knob (127626). Take care to avoid putting the O-ring in the groove intended for the clip (127612) but in the straighter groove.



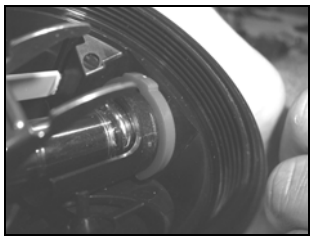
8. Fit the venturi knob (127626) onto the tool (127686). Place the slot in the tool in the groove in the cam (127609). Turn the tool anti-clockwise until the cam comes into contact with the insert (127605). Come back 1/4 turn (clockwise) and fit the knob in the maxi position matching the octagonal flats on the cam and the knob. In the maxi position the octagonal part of the cam should be under the upper face by about 1mm to 2.5mm.



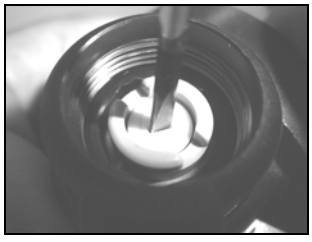


A gap of between 1 and 2.5 mm in maxi position

9. Press on the lever and check that it returns to the high position (the sign that the shuttle valve is well positioned). Fit the clip (127612) onto the knob (127626).



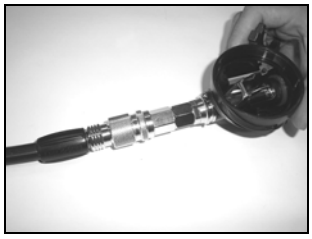
10. Fit a new lubricated O-ring (473056) onto the adjusting screw (127608). Using a screwdriver (size 2.5mm) screw in the screw until the O-ring is no longer visible (top of the spring flush with the groove).



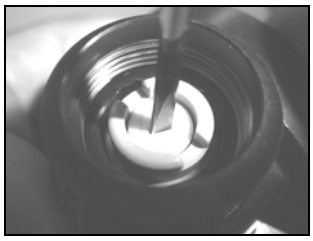
11. Fit a new lubricated O-ring on the hose threads. Fit a new lubricated O-ring on the hose nipple.

12. Ajustement du Levier (129178).

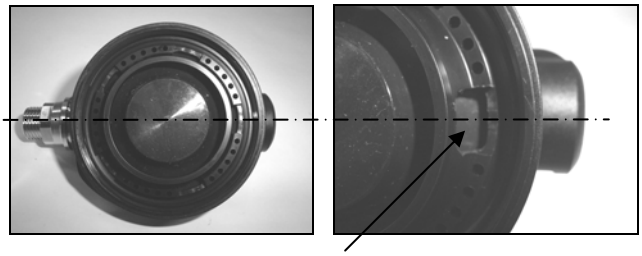
    Attach the adjusting connector (122041) on the adjustment tool (122046). Connect a MP hose to the tool and then fit the assembly to a Kronos 1st stage that has its MP set to 9.5 bar. Put the regulator under pressure. Slide the tool (127686) across the top of the casing. With the tool in maxi position the 2nd stage should leak when the tool presses on the lever. With the tool in the mini position, the 2nd stage should not leak. Screw the seat in or out to adjust the setting.



13. Unscrew the screw (127608) until the second stage leaks then screw it 1 Turn 1/2. Fit a new lubricated O-ring (820016) onto the plug (127613)
    Screw the plug completly then unscrew it 1/8 turn.



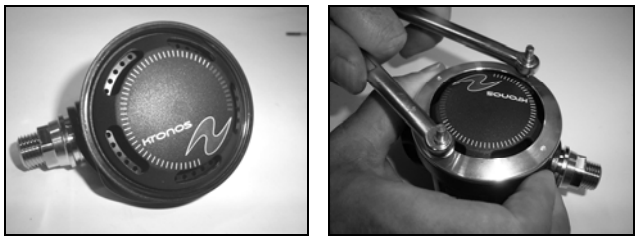
14. Close the air supply and purge the 2nd stage. Remove the adjustment tool. Fit the diaphragm (127627). Press well in all around its edges to ensure that it is correctly positioned. Fit the washer (129133) the using tool (129001) screw in the diaphragm nut (127625). Adjust the tightening so that one of the holes is aligned with the insert axis.



Hole aligned with the insert axis

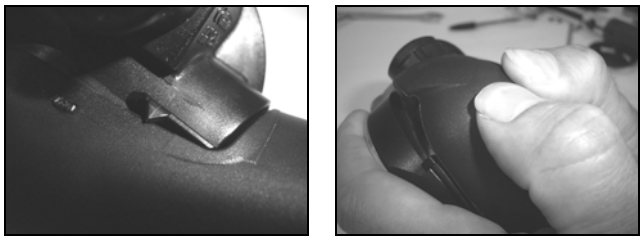
After tightening the diaphragm nut, hold the top of the diaphragm and pull lightly in all directions to check that it is securely held in the casing. Check that it is not jammed. If this is the case, reinstall it.

15. Position the push button (127614) so that the markings are aligned. Engage the internal lugs of the button in the holes in the nut (127625). Using a lug spanner (129198) screw down the crown (127602).

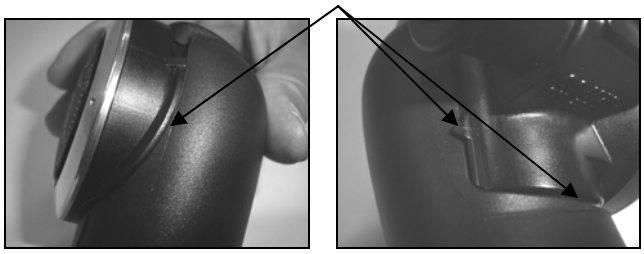


16. Fit the deflector (127622) on to the hose and then connect the hose to the 2nd stage. Using 2 11/16 '' spanners, tighten the hose nut while holding the exchanger (127606).

17. Refit the deflector on the casing. The deflector should pass under the lug under the mouthpiece. Once the deflector has been passed under the lug, fit the deflector over the "return" of the casing by pushing on the centre of the spherical part. To lock the assembly, press on the tongue to make the little rod on the casing enter the tongue. Finally, check that the deflector is correctly positioned.



Correct position of the deflector



Note** : if you have a test bench, carry out these test before fitting the mouthpiece. Test instructions are given in the section **Final Checks.

18. Fit the mouthpiecel (123697) on to the casing. If it is a Comfobite mouthpiece check that the support is at the top. Fit the mouthpiece collar (129154) into the groove provided. The collar lever should be underneath and positioned on the hose side.

19. If the regulator is a Kronos Supreme, fit the lip shield (36) over the mouthpiece and against the mouthpiece collar.

FINAL CHECKS

1. Pressurise the regulator to 200 bar (±10 bar)

***Note**: Tests 2,3 et 4 require the use of a regulator test bench.*

2. Check opening effort. Apply a gradual inhalation effort. When the MP starts to fall, release the pressure and compare the result with the limits shown in ***Table 5. Checking Specifications*** . If the opening effort is outside these limits consult ***Table 1. Troubleshooting Guide.***

3. ***Check depression / flow***. Apply an inhalation flow of 400 l/min and check that the depression oes not exceed 15 mbar. If it exceeds this value consult ***Table 1. Troubleshooting Guide.***

4. ***Check for leaks***. Connect the first stage to a cylinder charged to 200 bar, open the valve and submerge the assembly in a bath of water for 1 minute. Check that there are no leaks. If there are apparent leaks, disassemble the 2nd stage completely and check all sealing surfaces and the positioning of the parts.

END OF REASSEMBLY

Table 1. Troubleshooting Guide

SYMPTOM	POSSIBLE CAUSE	TREATMENT
Leak or free flow at 2nd stage	1. MP too high	1. Refer to First stage Troubleshooting Guide
	2. The valve (AP2034) is worn or damaged.	2. Replace the valve
	3. The seat (AP2033) is not correctly adjusted	3. Readjust the seat
	4. The lever (129178) is bent	4. Replace the lever
	5. The sealing face of the seat (AP2033) is damaged.	5. Replace the seat
	6. The spring (2021) is damaged	6. Replace the spring
Insufficient purge flow or work of breathing too high	1. MP too low	1. Refer to First stage Troubleshooting Guide
	2. The valve (AP2033) is not correctly adjusted, the lever adjustment is too low	2. Readjust the lever and the valve
	3. MP hose obstructed	3. Clean or replace the hose
	4. The lever (129178) is bent	4. Replace the lever
Water leak	1. Hole in mouthpiece (123697)	1. Replace the mouthpiece
	2. Diaphragm (129150) damaged	2. Replace the diaphragm
	3. Exhalation valve (129174) damaged	3. Replace the valve
	4. The venturi control O-ring (121130) is dirty, worn or damaged	4. Replace the O-ring
	5. 5. The diaphragm is not correctly fitted between the casing (127617) and the washer (127625)	5. Disassemble the purge button and refit the assembly correctly
	6. The casing is damaged.	6. Check the sealing face of the exhalation valve. Replace the casing
	7. The O-ring (820016) is damaged.	7. Replace the O-ring
	8. The insert O-ring (124706) is damaged.	8. Replace the O-ring

Table 2. List of Tools and Service Kits

REF	DESCRIPTION	APPLICATION	US PART NO.
116222	MP pressure gauge complete 0/16B	Checking medium pressure	111610
N/C	O-ring tool	Fitting and removing O-rings	944022
129001	Spring clip tool	Fitting and removing diaphragm clip (15)	129001
116236	Seat fitting tool	Seat assembly/disassembly	109436
127686	Seat / lever adjusting tool	Seat assembly / lever adjusting	N/a
129198	Ring tool for Kronos	Tighten/loosen gold/silver ring on Legend LX	N/a
122046 + 122041	Seat adjustment tool	Adjusting seat under pressure	100190
122155	Torque wrench 0.5 m.kg	Plugs	N/a
N/C	Medium flat wrench	seat	N/a
N/C	Flat wrench 17mm (x2)	Hose nut	N/a
N/C	4mm Allen key	MP et HP plugs	N/a

127682	**Service Kit Kronos 2nd stage**	**Kronos 2nd stage, Kronos Supreme 2nd stage**	

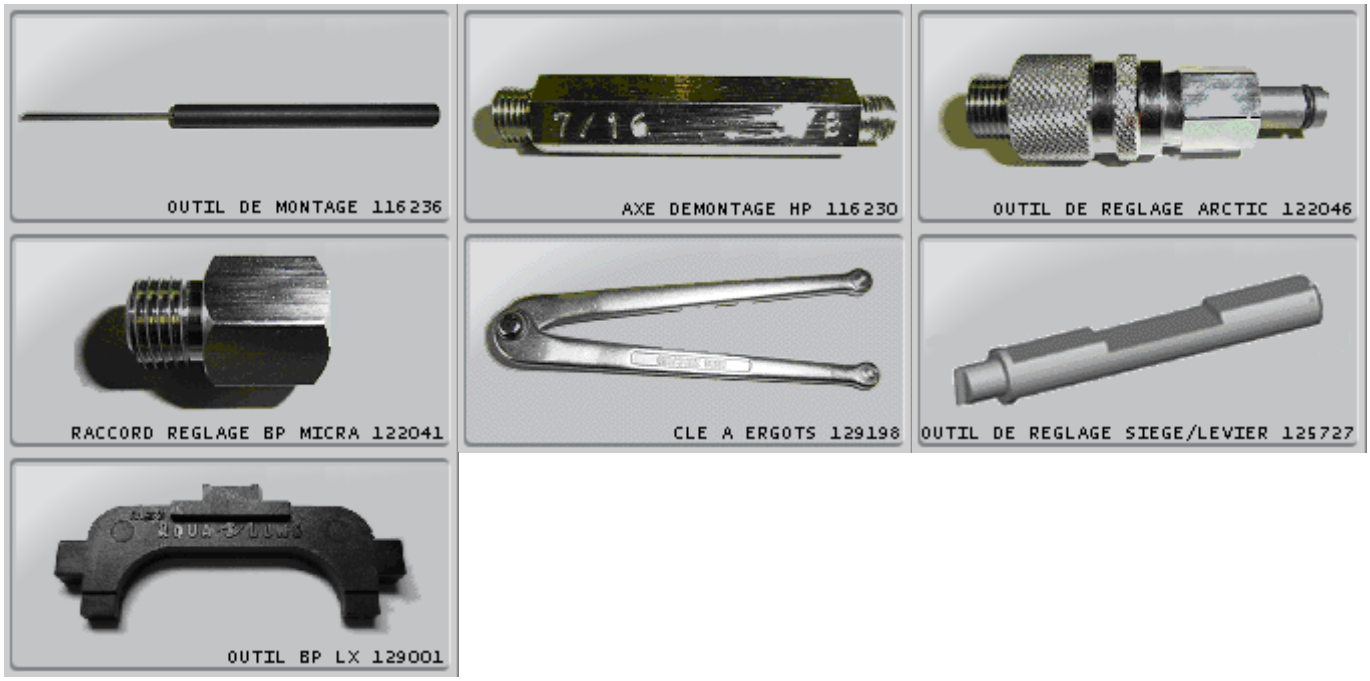

OUTIL DE MONTAGE 116236
AXE DEMONTAGE HP 116230
OUTIL DE REGLAGE ARCTIC 122046
RACCORD REGLAGE BP MICRA 122041
CLE A ERGOTS 129198
OUTIL DE REGLAGE SIEGE/LEVIER 125727
OUTIL BP LX 129001

Table 3. Recommended cleaners and lubricants

LUBRICANT / CLEANER	APPLICATION	SOURCE
Christolube MCG 111	All O-rings	Aqualung, ref. 480025
	***Attention**: Silicone parts do not require lubrication. Do not grease them. Greasing silicone parts can change their molecular construction and cause premature degradation of the material.*	
Oakite #31	Acid bath for cleaning brass and stainless steel parts.	Oakite Products, Inc.
NETALU	Acid bath for cleaning brass and stainless steel parts.	Aqualung, ref. 455001
Diluted white vinegar	Acid bath for cleaning brass and stainless steel parts.	Household stores
	***Attention**: Do not use hydrochloric acid for cleaning parts. Hydrochloric acid, even when well diluted, attacks the coating of metal parts and leaves a corrosive deposit that damages plastic parts and O-rings.*	
Washing-up liquid (diluted with hot water)	Degreases brass and stainless steel parts; general cleaning of plastic and rubber parts.	Household stores
Disinfectant STERANIOS 2%	Disinfectant for all plastic and metal parts.	Aqualung ref : 382062

Procedure A
Cleaning and Lubricating
(All Aqualung Regulators)

Cleaning brass and stainless steel parts.

1. Pre-clean by soaking in NETALU diluted to 25%.
2. Cleaning in an ultra-sonic bath filled with a mixture of washing-up liquid + hot water. If some resistant deposits remain then fill the ultrasonic bath with white vinegar and repeat. DO NOT put plastic, rubber, silicone or anodised aluminium parts in contact with vinegar.
3. Rinse in demineralised or fresh water to avoid calcium deposits. Soak for 10 minutes. Dry with filtered low pressure air and then check that their condition is now suitable for re-use.

Cleaning plastic, rubber and anodised aluminium parts.

For anodised aluminium parts : soak in a « NETALU diluted to 25% ». Rinse in fresh water and dry with low-pressure filtered air.
For plastic parts. (casings, plugs..) : clean in an ultrasonic bath containing a mixture of washing-up liquid and hot water. Use only a toothbrush with nylon bristles to remove any deposits. Rinse in fresh water and dry with low-pressure filtered air

***Attention**: D not place plastic and rubber parts in contact with acid solutions. This could alter their physical properties and cause degradation and premature breakdown.*

Disinfecting parts .

For disinfection, leave plastic and metal parts to soak for 20 minutes in a bath of STERANIOS 2% ref. 382062 (ready to use). Rinse the parts thoroughly after soaking. Toxic product, follow the instruction for its use.

Cleaning parts for Nitrox/O2 use.

1. Metal parts : Pre-clean by soaking in NETALU diluted to 25%.
2. Ultrasonic cleaning in Promoclean TP108 diluted at 5% .
3. Rinse in demineralised water. Soak for 10 min.
4. Dry in the open air in a clean and dust-free atmosphere. Place the parts on a white cloth, allow to dry and check after drying that the cloth shows no grease deposits and that the condition of the parts is appropriate for re-use with Nitrox/O2.

Cleaning hoses.

If there is significant corrosion then it is permissible to soak only the ends in an ultrasonic bath, avoiding any possibility of the solution entering the hose. Rinse in fresh water and allow to dry with the connections hanging down. Dry the inside with filtered compressed air before reconnecting the hose to the regulator.

Wiping.

To wipe parts, use a white filter paper, a pure cotton cloth or any other material that **does not produce fluff.**

Inspection.

Visually check under a white light (day light or artificial light).
The parts are completely free of any traces of :

1. organic materials (oil, grease, paint, rust…)
2. cleaning agents
3. dust
4. humidity

Lubrication.

When handling O-rings wear unpowdered latex gloves. It is important not to allow contact between the internal components and the skin or any other source of contamination when the regulator is being prepared for Nitrox use. All seals should be lubricated with Christolube MCG111. Cover the seals with a light film of grease and remove any excess by rolling the seal between finger and thumb. Do not use an excess of grease; this can have the effect of accumulating particles that could damage the O-rings.

Table 4. Torque values

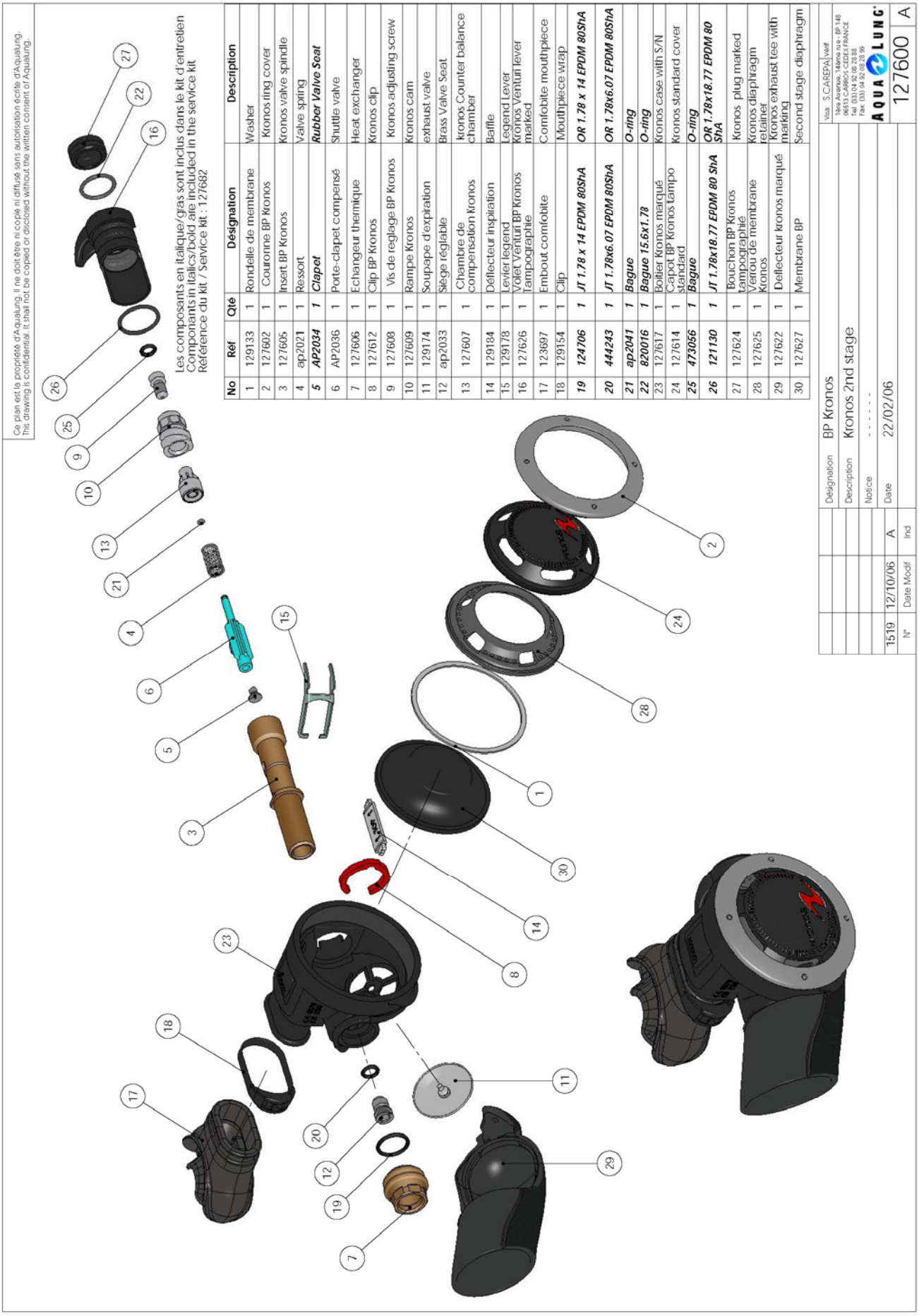
N° REFERENCE	DESCRIPTION	FORCE
127606	Hear exchanger	0.5 m.kg.

Table 5. Checking specifications

TEST	INSTRUCTIONS	SPECIFICATIONS
Leak Test	160 bar < Working pressure < 200 bar	No leak
Medium Pressure	160 bar < Working pressure < 200 bar	**MP at 9.5 bar ± 0.5 bar** : KRONOS (all versions)
Opening effort	160 bar < Working pressure < 200 bar	Kronos (all versions) : between **2.8 mbar** and **3.8 mbar**
Effort / Flow	**MP at 9.5 bar ± 0.5 bar** : Kronos (all versions)	15 mbar maxi at 400 L/min

Maintenance Notes.

Exploded view of Kronos 2nd stage.



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Les composants en italique/gras sont inclus dans le kit d'entretien
Components in italics/bold are included in the service kit
Référence du kit / Service kit : 127682

No	Réf	Qté	Désignation	Description
1	129133	1	Rondelle de membrane	Washer
2	127602	1	Couronne BP Kronos	Kronos ring cover
3	127605	1	Insert BP Kronos	Kronos valve spindle
4	ap2021	1	Ressort	Valve spring
5	***AP2034***	**1**	***Clapet***	***Rubber Valve Seat***
6	AP2036	1	Porte-clapet compensé	Shuttle valve
7	127606	1	Echangeur thermique	Heat exchanger
8	127612	1	Clip BP Kronos	Kronos clip
9	127608	1	Vis de reglage BP Kronos	Kronos adjusting screw
10	127609	1	Rampe Kronos	Kronos cam
11	129174	1	Soupape d'expiration	exhaust valve
12	ap2033	1	Siège réglable	Brass Valve Seat
13	127607	1	Chambre de compensation Kronos	Kronos Counter balance chamber
14	129184	1	Déflecteur inspiration	Baffle
15	129178	1	Levier legend	Legend Lever
16	127626	1	Volet Venturi BP Kronos tampographie	Kronos Venturi lever marked
17	123697	1	Embout comfobite	Comfobite mouthpiece
18	129154	1	Clip	Mouthpiece wrap
19	***124706***	**1**	***JT 1.78 x 14 EPDM 80ShA***	***OR 1.78 x 14 EPDM 80ShA***
20	***444243***	**1**	***JT 1.78x6.07 EPDM 80ShA***	***OR 1.78x6.07 EPDM 80ShA***
21	***ap2041***	**1**	***Bague***	***O-ring***
22	***820016***	**1**	***Bague 15.6x1.78***	***O-ring***
23	127617	1	Boitier Kronos marqué	Kronos case with S/N
24	127614	1	Capot BP Kronos tampo standard	Kronos standard cover
25	***473056***	**1**	***Bague***	***O-ring***
26	***121130***	**1**	***JT 1.78x18.77 EPDM 80 ShA***	***OR 1.78x18.77 EPDM 80 ShA***
27	127624	1	Bouchon BP Kronos tampographié	Kronos plug marked
28	127625	1	Verrou de membrane Kronos	Kronos diaphragm retainer
29	127622	1	Deflecteur kronos marqué	Kronos exhaust tee with marking
30	127627	1	Membrane BP	Second stage diaphragm

			Désignation	BP Kronos
			Description	Kronos 2nd stage
			Notice	- - - - - -
1519	12/10/06	A	Date	22/02/06
N°	Date Modif	Ind		

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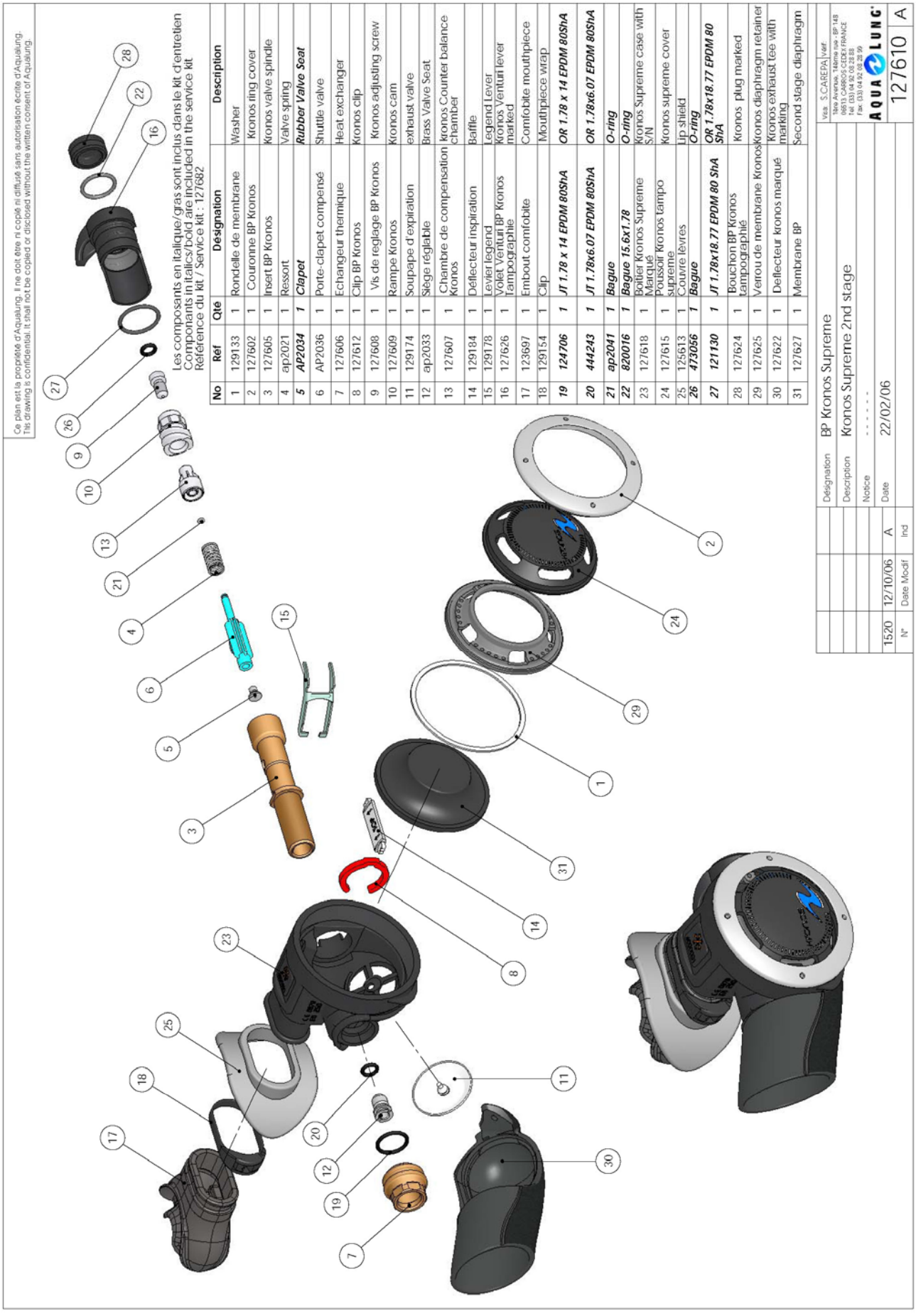
Exploded view of Kronos Supreme 2nd Stage



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Components in italics/bold are included in the service kit
Référence du kit / Service kit : 127682

No	Réf	Qté	Désignation	Description
1	129133	1	Rondelle de membrane	Washer
2	127602	1	Couronne BP Kronos	Kronos ring cover
3	127605	1	Insert BP Kronos	Kronos valve spindle
4	ap2021	1	Ressort	Valve spring
5	*AP2034*	*1*	*Clapet*	*Rubber Valve Seat*
6	AP2036	1	Porte-clapet compensé	Shuttle valve
7	127606	1	Echangeur thermique	Heat exchanger
8	127612	1	Clip BP Kronos	Kronos clip
9	127608	1	Vis de reglage BP Kronos	Kronos adjusting screw
10	127609	1	Rampe Kronos	Kronos cam
11	129174	1	Soupape d'expiration	exhaust valve
12	ap2033	1	Siège réglable	Brass Valve Seat
13	127607	1	Chambre de compensation Kronos	Kronos Counter balance chamber
14	129184	1	Deflecteur inspiration	Baffle
15	129178	1	Levier legend	Legend Lever
16	127626	1	Volet Venturi BP Kronos Tampographié	Kronos Venturi lever marked
17	123697	1	Embout comfobite	Comfobite mouthpiece
18	129154	1	Clip	Mouthpiece wrap
19	*124706*	*1*	*Jt 1.78 x 14 EPDM 80ShA*	*OR 1.78 x 14 EPDM 80ShA*
20	*444243*	*1*	*Jt 1.78x6.07 EPDM 80ShA*	*OR 1.78x6.07 EPDM 80ShA*
21	*ap2041*	*1*	*Bague*	*O-ring*
22	*820016*	*1*	*Bague 15.6x1.78*	*O-ring*
23	127618	1	Boîter Kronos Supreme Marqué	Kronos Supreme case with S/N
24	127615	1	Poussoir Kronos tampo supreme	Kronos supreme cover
25	125613	1	Couvre lèvres	Lip shield
26	*473056*	*1*	*Bague*	*O-ring*
27	*121130*	*1*	*Jt 1.78x18.77 EPDM 80 ShA*	*OR 1.78x18.77 EPDM 80 ShA*
28	127624	1	Bouchon BP Kronos tampographié	Kronos plug marked
29	127625	1	Verrou de membrane Kronos	Kronos diaphragm retainer
30	127622	1	Deflecteur kronos marqué	Kronos exhaust tee with marking
31	127627	1	Membrane BP	Second stage diaphragm

			Désignation	BP Kronos Supreme
			Description	Kronos Supreme 2nd stage
			Notice	- - - - - -
1520	12/10/06	A	Date	22/02/06
N°	Date Modif	Ind		

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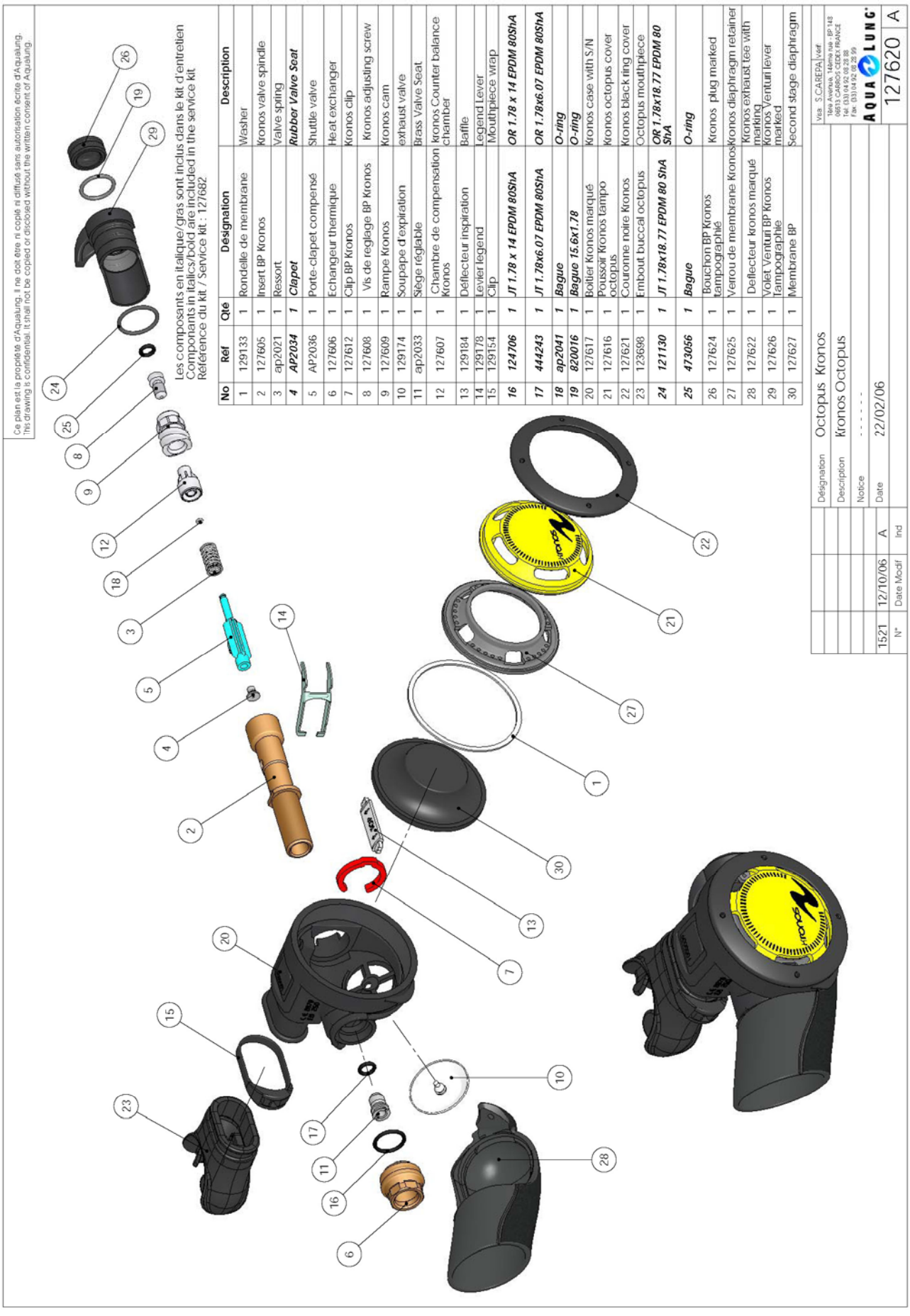
Exploded view of Kronos Octopus 2nd Stage



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Référence du kit / Service kit : 127682

No	Réf	Qté	Désignation	Description
1	129133	1	Rondelle de membrane	Washer
2	127605	1	Insert BP Kronos	Kronos valve spindle
3	ap2021	1	Ressort	Valve spring
4	***AP2034***	***1***	***Clapet***	***Rubber Valve Seat***
5	AP2036	1	Porte-clapet compensé	Shuttle valve
6	127606	1	Echangeur thermique	Heat exchanger
7	127612	1	Clip BP Kronos	Kronos clip
8	127608	1	Vis de reglage BP Kronos	Kronos adjusting screw
9	127609	1	Rampe Kronos	Kronos cam
10	129174	1	Soupape d'expiration	exhaust valve
11	ap2033	1	Siège réglable	Brass Valve Seat
12	127607	1	Chambre de compensation Kronos	Kronos Counter balance chamber
13	129184	1	Déflecteur inspiration	Baffle
14	129178	1	Levier legend	Legend Lever
15	129154	1	Clip	Mouthpiece wrap
16	***124706***	***1***	***JT 1.78 x 14 EPDM 80ShA***	***OR 1.78 x 14 EPDM 80ShA***
17	***444243***	***1***	***JT 1.78x6.07 EPDM 80ShA***	***OR 1.78x6.07 EPDM 80ShA***
18	***ap2041***	***1***	***Bague***	***O-ring***
19	***820016***	***1***	***Bague 15.6x1.78***	***O-ring***
20	127617	1	Boîtier Kronos marqué	Kronos case with S/N
21	127616	1	Poussoir Kronos tampo octopus	Kronos octopus cover
22	127621	1	Couronne noire Kronos	Kronos black ring cover
23	123698	1	Embout buccal octopus	Octopus mouthpiece
24	***121130***	***1***	***JT 1.78x18.77 EPDM 80 ShA***	***OR 1.78x18.77 EPDM 80 ShA***
25	***473056***	***1***	***Bague***	***O-ring***
26	127624	1	Bouchon BP Kronos tampographié	Kronos plug marked
27	127625	1	Verrou de membrane Kronos	Kronos diaphragm retainer
28	127622	1	Deflecteur kronos marqué	Kronos exhaust tee with marking
29	127626	1	Volet Venturi BP Kronos tampographié	Kronos Venturi lever marked
30	127627	1	Membrane BP	Second stage diaphragm

			Désignation	Octopus Kronos
			Description	Kronos Octopus
			Notice	- - - - - -
1521	12/10/06	A	Date	22/02/06
N°	Date Modif	Ind		

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